



an Open Access Journal by MDPI

## Defect Identification and Analysis in Building Materials: Emphasizing Concrete, Masonry, and Mortar Systems

Guest Editors:

### Dr. Czesław Suchocki

Faculty of Civil Engineering,  
Environment and Geodesy,  
Koszalin University of  
Technology, 75-453 Koszalin,  
Poland

### Dr. Tomasz Kania

Faculty of Civil Engineering,  
Wrocław University of Science  
and Technology, 50-421 Wrocław,  
Poland

### Dr. Rafał Nowak

Faculty of Civil and  
Environmental Engineering, West  
Pomeranian University of  
Technology in Szczecin, 70-311  
Szczecin, Poland

Deadline for manuscript  
submissions:

**20 September 2024**

### Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to contribute to our upcoming Special Issue titled "Defect Identification in Building Materials: From Concrete Structures to Masonry and Mortar Systems."

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

1. Advanced techniques for defect detection, including both non-destructive and destructive testing methods.
2. Material characterization related to defect formation and propagation.
3. Computational methods for defect analysis.
4. Laboratory-based studies and experimental analyses for defect identification and mitigation.
5. Case studies on defect identification and remediation in real-world structures.
6. Fire Resistance Studies of Wall Systems.
7. Innovative materials and technologies that enhance defect resistance.
8. Environmental factors affecting material integrity, including but not limited to temperature, humidity, and corrosive conditions....

We look forward to receiving your contributions.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)